MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER, 1944

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

DECEMBER 1944

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.8	60.8	62.3	61.3	19.7	14.9	16.7	19.7	16.1	17.5
2	3.7	2.5	2.8	3.0	19.2	14.0	16.2	18.9	15.8	17.0
3	0.9	58.7	1.0	0.2	19.2	14.9	16.3	19.0	16.2	17.2
4	59.0	8.6	59.6	59.1	19.3	14.8	15.6	17.8	15.8	16.4
5	9.2	61.2	62.5	61.0	17.7	13.4	16.7	17.2	15.2	16.4
6	65.6	65.8	67.4	66.3	19.3	15.1	16.2	19.0	16.4	17.2
7	9.0	7.7	7.0	7.9	19.4	16.6	17.1	19.3	16.9	17.8
8	5.2	3.6	3.6	4.1	21.1	16.9	18.2	20.7	17.7	18.9
9	3.8	2.8	3.5	3.4	21.0	15.1	18.3	19.9	17.2	18.5
10	4.6	3.5	4.6	4.2	19.6	15.9	17.3	19.3	17.1	17.9
11	65.1	63.3	63.1	63.8	20.4	15.7	17.4	19.9	16.6	18.0
12	1.5	59.3	58.8	59.9	19.7	13.2	18.1	19.4	17.3	18.3
13	59.0	8.6	60.1	9.2	18.9	12.9	15.6	17.3	13.5	15.5
14	62.8	62.5	3.6	63.0	18.2	13.8	15.4	17.7	15.7	16.3
15	4.5	3.5	3.6	3.9	18.4	13.8	16.2	18.3	15.5	16.7
16	63.5	62.2	62.6	62.8	18.9	13.4	16.1	18.4	15.6	16.7
17	3.3	2.2	2.7	2.7	17.1	12.0	15.6	17.1	15.3	16.0
18	4.1	3.5	3.6	3.7	16.2	12.3	14.8	16.1	13.9	14.9
19	3.5	2.2	2.2	2.6	17.2	13.4	14.8	16.7	14.3	15.3
20	1.6	59.7	0.1	0.5	16.7	11.3	14.4	16.7	14.8	15.3
21	61.3	60.9	61.2	61.1	15.2	11.4	12.3	14.3	12.8	13 1
22	2.5	1.8	2.4	2.2	16.6	12.3	12.7	15.4	13.3	13.8
23	1.0	59.2	0.2	0.1	18.2	13.1	15.0	17.8	15.4	16.1
24	59.9	8.4	58.4	58.9	17.1	11.2	14.5	16.3	12.3	14.4
25	6.9	6.8	6.2	6.6	16.4	11.2	13.2	13.4	13.4	13.3
26	58.0	57.7	59 4	58.4	16.3	11.8	13.4	15.6	13.8	14.3
27	60.2	8.8	9.1	9.4	16.6	12.2	14 0	16.3	12.8	14.4
28	1.2	9.9	61.3	60.8	17.6	10.8	13.4	15.4	12.3	13.7
29	2.2	61.7	2.0	2.0	17.8	10.7	13.4	16.7	14.8	15.0
30	59.6	56.6	57.4	57.9	17.5	12.6	15.2	17.3	17.3	16.6
31	6.7	5.5	4.0	5.4	18.2	11.7	16.1	17.4	15.5	16.3
	61.94	60.95	61.49	61.46	18.21	13.30	15.49	17.55	15.18	16.09

Barometer. range for month 769.0 – 754.0 mm.
„ 62-yr. average for month 763.25 mm.
Thermometer, range for month 21.1° — 10.7° C.
„ 62-yr. average for month 15.91° C.
Rain, total for month 178.78 mm.
„ , 62-yr. average for month 186.94 mm.
Total, from Sept. 1st. to end of month 548.13 mm.
62-yr. average, Sept. 1st. to end of month 370.33 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.0	8.7	7.9	8.2	56	51	58	55	9.3	338.0	
2	8.5	10.2	8.9	9.1	63	63	65	64	9.0	201.0	
3	7.8	8.8	8.0	8.2	56	54	59	56	8.0	232.0	
4	9.3	10.4	8.3	9.3	71	68	62	67	4.4	296.0	
5	8.8	9.0	9.6	9.1	62	62	75	66	0.0	386.0	0.25
6	10.4	11.8	10.2	10.8	76	73	75	75	8.1	515.0	3.30
7	10.9	12.2	12.1	11.7	75	73	84	77	4.0	153.0	
8	9.2	12.6	9.3	10.4	59	69	62	63	1.5	79.0	
9	10.1	11.4	11.3	10.9	64	66	77	69	5.4	182.0	
10	10.9	12.2	12.0	11.7	74	73	83	77	8.5	113.0	
11	9.1	10.5	8.8	9.5	61	60	63	61	6.2	203.0	
12	8.3	10.5	8.1	9.0	53	62	56	57	7.3	214.0	
13	9.4	10.6	9.6	9.9	72	72	83	76	4.6	274.0	8.89
14	9.4	10.9	10.4	10.2	72	72	79	74	8.2	132.0	
15	9.7	10.9	10.1	10.2	71	70	78	73	8.0	103.0	
16	9.2	11.3	9.4	10.0	68	72	71	70	7.4	217.0	
17	10.0	7.9	10.5	9.5	76	72	81	76	3.1	335.0	9.65
18	8.9	9.6	8.7	9.1	71	71	74	72	7.2	563.0	0.51
19	8.4	9.1	9.0	8.8	67	65	74	69	6.1	185.0	
20	9.4	10.4	9.0	9.6	77	73	71	74	0.4	201.0	0.76
21	9.6	10.2	10.0	9.9	90	83	90	88	0.0	233.0	44.19
22	9.8	10.6	9.2	9.9	89	81	81	84	4.1	338.0	22.60
23	9.7	11.5	9.5	10.2	76	76	73	75	2.1	370.0	0.51
24	10.0	10.6	9.8	10.1	80	77	92	83	0.4	238.0	27.17
25	8.8	10.1	8.6	9.2	77	88	74	80	0.0	351.0	11.43
26	8.7	9.8	8.9	9.1	75	74	76	75	0.4	571.0	9.14
27	8.7	8.5	8.4	8.5	73	61	76	70	1.2	475.0	2.80
28	9.7	9.9	9.2	9.6	84	76	86	82	2.8	560.0	6.09
29	9.3	10.3	8.5	9.4	81	72	67	73	4.2	459.0	4.57
30	9.3	9.9	11.9	10.4	73	67	81	74	0.0	837.0	10.92
31	10.0	11.4	8.8	10.1	74	77	67	73	3.7	950.0	16.00
	9.33	10.38	9.47	9.72	71.4	70.0	73.9	71.8	4.37	332.38	5.60

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G.C.T.
62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1ci	1ci	0	0.7	0	1nw	1nw	light	
2	2cu	1cu	1cu	1.3	0	1sw	1nw	„	
3	5ci-cu	1ci	1ci	2.3	1e	2ne	0	„	
4	3cu	3cu	0	2.0	1se	0	0	slight	
5	10cu	10cu	6cu	8.7	1se	2sw	1ne	light	
6	0	8ci-cu	0	2.7	2sw	2sw	1sw	light	
7	0	10ci-cu	0	3.3	1s	1s	1s	calm	
8	9cu	9cu	0	6.0	1sw	0	0	light	
9	9cu	7cu	0	5.3	1s	2nw	0	„	Mist a.m.
10	0	1cu	8cu	3.0	0	1nw	0	„	
11	1cu	1ci-cu	0	0.7	1sw	1sw	0	calm	Wind at nigt
12	10cu	1cu	7cu	6.0	1se	3ne	1ne	slight	Tr. at night
13	7cu-ni	8cu	0	5.0	1sw	3ne	0	„	
14	1cu	1cu	0	0.7	0	1sw	1ne	„	
15	0	0	0	0.0	1sw	1sw	0	light	
16	0	0	0	0.0	1sw	1w	0	calm	M. a. m.
17	4cu	9cu-ni	7cu-ni	6.7	1sw	1ne	1ne	slight	
18	2cu	0	0	0.7	2ne	3ne	2ne	„	
19	7ci-cu	4ci	10ni-cu	7.0	1se	1sw	0	calm	
20	10ni	10cu-ni	5cu-ni	8.3	1se	1sw	0	„	Tr. p. m.
21	9ni	9ni	10ni	9.3	1e	1ne	0	slight	
22	9ni	9cu-ni	8cu-ni	8.7	1se	2sw	1se	„	
23	9cu-ni	9cu-ni	9cu	9.0	1sw	1sw	3ne	mod.	Tr. p. m.
24	10cu-ni	3cu-ni	10ni	7.7	0	1ne	1ne	„	
25	10ni	10ni	9ni	9.7	1se	1sw	1ne	slight	
26	10cu-ni	10cu	9cu	9.7	3sw	2sw	2sw	slight	
27	10cu-ni	9cu-ni	8cu-ni	9.0	1sw	3sw	1sw	„	
28	10ni	10ni	7cu-ni	9.0	2sw	2sw	2sw	„	
29	2cu	2cu	3cu	2.3	1sw	1sw	2sw	„	
30	8st.	10ni-cu	10cu-ni	9.3	1e	1e	3e	„	M.a.m,& G.at night
31	9cu	4st	10cu	7.7	1s	1s	3s	rough	G. at night
				5.21					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	3	7	3	12	0	0	5	31
14:30	0	7	1	0	2	15	1	3	2	31
20:30	0	8	1	1	2	5	0	2	12	31
Totals	0	16	5	8	7	32	1	5	19	93

Number of days with rain 17, fog 0, thunderstorms 0, gale 2.

62 yr. av. days with rain during month 13.4 days